

FORM PTO-1449
(Rev. 7-80)U.S. Department of Commerce
Patent and Trademark OfficeAtty. Docket No.
INTERLINK 3.0-003Application No.
09/431,546

LIST OF PRIOR ART CITED BY APPLICANT

(Use several sheets if necessary)

Applicant
Everett et al.

Filing Date: October 29, 1999

Group 1632
1635

U.S. PATENT DOCUMENTS

*EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA		5,424,395	06/95	Bascomb et al.	530	326	
AB		5,519,115	05/96	Mapelli et al.	530	324	
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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
AL		WO 98/07745	02/98	PCT				
AM								
AN								
AO								
AP								

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	Iwahori et al., <u>Synthesis of Reversed Magainin 2 Analogs Enhanced Antibacterial Activity</u> , Biol. Pharm. Bull. 20(3):267-270 (1997)
AS	Selsted et al., <u>Indolicidin, a Novel Bactericidal Tridecapeptide Amide from Neutrophils</u> , J. Biol. Chem. 267(7):4292-4295 (1992)
AT	Subbalakshmi et al., <u>Requirements for Antibacterial and Hemolytic Activities in the Bovine Neutrophil Derived 13-residue Peptide Indolicidin</u> , FEBS Letters 395:48-52 (1996)

EXAMINER

DATE CONSIDERED

3/13/02

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Group 1032
1436

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	AM							
	AN							
	AO							
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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

ay	AR	Subbalakshmi et al., Interaction of Indolicidin, a 13-Residue Rich in Tryptophan and Proline and its Analogues with Model Membranes, J. Biosci. 23(1):9-13 (1998)
ay	AS	Van Abel et al., Synthesis and Characterization of Indolicidin, a Tryptophan-rich Antimicrobial Peptide from Bovine Neutrophils, Int. J. Peptide Protein Res. 45:401-409 (1995)
m	AT	Ladokhin et al., Bilayer Interactions of Indolicidin, a Small Antimicrobial Peptide Rich in Tryptophan, Proline, and Basic Amino Acids, Biophysical Journal 72:794-805 (1997)
EXAMINER		DATE CONSIDERED

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	AL							
	AM							
	AN							
	AO							
	AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

4	AR	Owens et al., A Single Amino Acid Substitution in the Antimicrobial Defense Protein Cecropin B is Associated with Diminished Degradation by Leaf Intercellular Fluid, MPMI 10(4):525-528 (1997)
5	AS	Jaynes et al., Increasing Bacterial Disease Resistance in Plants Utilizing Antibacterial Genes from Insects, BioEssays 6(6):263-270 (1987)
7	AT	Lim et al., Synthesis and Biological Characterization of Indolicidin Analogues, J. Biochem. Mol. Biol. 30(3):229-233 (1997)

EXAMINER

DATE CONSIDERED 5/13/02

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AN							
AO							
AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	Merrifield et al., <u>Retro and Retroenantio Analogs of Cecropin-Melittin Hybrids</u> Proc. Natl. Acad. Sci. USA 92:3449-3453 (1995)
AS	Mills et al. <u>Evidence of the Breakdown of Cecropin B by Proteinases in the Intercellular Fluid of Peach Leaves</u> , Plant Sci. 104:17-22 (1994)
AT	Robinson, Jr. et al., <u>Anti-HIV-1 Activity of Indolicidin, an Antimicrobial Peptide from Neutrophils</u> , J. Leukocyte Biol. 63:94-100 (1998)

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U.S. PATENT DOCUMENTS

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AL							
AM							
AN							
AO							
AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

3	AR	Everett, N.P., DESIGN OF ANTIFUNGAL PEPTIDES FOR AGRICULTURAL APPLICATIONS, Chapter 20, pp. 279-291 (1994)
3	AS	Allefs et al., <u>Erwina Soft Rot Resistance of Potato Cultivars Transformed with a Gene Construct Coding for Antimicrobial Peptide Cecropin B is not Altered</u> , Am. Potato J. 72:437-445 (1995)
4	AT	Falla et al., <u>Mode of Action of the Antimicrobial Peptide Indolicidin</u> , J. Bio. Chem. 271(32):19298-19303 (1994)

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Applicant
Everett et al.

Filing Date: October 29, 1999

Group T632
1655

U.S. PATENT DOCUMENTS

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						YES	NO
AL							
AM							
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AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

M	AR	Falla et al., <u>Improved Activity of a Synthetic Indolicidin Analog</u> , Antimicrobial Agents and Chemotherapy 41(4):771-775 (1997)
F	AS	Florack et al., <u>Expression of Giant Silkworm Cecropin B Genes in Tobacco</u> , Transgenic Research 4:132-141 (1995)
F	AT	Hancock, E.W. and Lehrer, R., <u>Cationic Peptides: A New Source of Antibiotics</u> , Tibtech 16:82-88 (1998)

EXAMINER

DATE CONSIDERED

3/13/02

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Applicant
Everett et al.

Filing Date: October 29, 1999

Group ~~462~~
1635

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	AL							
	AM							
	AN							
	AO							
	AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	Piers et al., <u>Recombinant DNA Procedures for Producing Small Antimicrobial Cationic Peptides in Bacteria</u> , Gene 134:7-13 (1993)
	AS	Enfors, S., <u>Control of <i>in vivo</i> Proteolysis in the Production of Recombinant Proteins</u> , Tibtech 10:310-315 (1992)
	AT	Helmerhorst et al., <u>A Critical Comparison of the Hemolytic and Fungal Activities of Cationic Antimicrobial Peptides</u> , FEBS Letters 449:105-116 (1999)

EXAMINER

DATE CONSIDERED

2/13/02

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Applicant
Everett et al.

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Group 4652
435

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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						YES	NO
AL							
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AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	Peschel et al., <u>Inactivation of the <i>dlt</i> Operon in <i>Staphylococcus aureus</i> Confers Sensitivity to Defensins, Protegrins, and Other Antimicrobial Peptides</u> , J. Bio. Chem. 274(13):8405-8410 (1999)
AS	Rao, A.G., <u>Antimicrobial Peptides</u> , MPMI 8(1):6-13 (1995)
AT	Broekaert et al., <u>Antimicrobial Peptides from Plants</u> , Critical Reviews in Plant Sciences 16(3):297-323 (1997)

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	AL						
	AM						
	AN						
	AO						
	AP						

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

M	AR	Mourgues et al., <u>Strategies to Improve Plant Resistance to Bacterial Diseases Through Genetic Engineering</u> , Tibtech 16:203-210 (1998)
M	AS	Mourgues et al., <u>Activity of Different Antibacterial Peptides on <i>Erwinia amylovora</i> Growth, and Evaluation of the Phytotoxicity and Stability of Cecropins</u> , Plant Sci. 139:83-91 (1998)
M	AT	De Bolle et al., <u>Antimicrobial Peptides from <i>Mirabilis jalapa</i> and <i>Amaranthus caudatus</i>: Expression, Processing, Localization and Biological Activity in Transgenic Tobacco</u> , Plant Mol. Bio. 31:993-1008 (1996)

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	AL							
	AM							
	AN							
	AO							
	AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	Cavallarin et al., <u>Cecropin A-Derived Peptides are Potent Inhibitors of Fungal Plant Pathogens</u> , MPMI 11(3):218-227 (1998)
	AS	Powell et al., <u>Synthetic Antimicrobial Peptide Design</u> , MPMI 8(5):792-794 (1995)
	AT	Chrispeels, M.J., <u>Sorting of Proteins in the Secretory System</u> , Annu. Rev. Plant. Physiol. Plant Mol. Biol. 42:21-53 (1991)

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